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2-13-04
[Signature]

Facsimile Transmission

RE: US Patent Application 09/498,012

Date: January 15, 2004

To: **Examiner Herng Der Day, Examining Group 2123**
Facsimile No. 1-703-746-9166

From: E. Eugene Thigpen
Facsimile No. 1-281-589-1482
Telephone No. 1-281-679-2288

Number of Pages in this transmission 31

E. Eugene Thigpen
Jan. 15, 2004

In the United States Patent and Trademark Office

In re application of:	§	Group Art Unit: 2123
Craig M. Jarchow	§	
	§	
Serial No: 09/498,012	§	Examiner: Day, Herng Der
	§	
Filed: February 4, 2000	§	Attorney Docket No. APA-001
Title: System for Estimating Thickness of Thin Subsurface Strata		

Attention:

Examiner Hereng Der Day
US Patent and Trademark Office
P.O. Box 1450
Alexandria, Virginia 22313-1450

Attached is a copy of the Response to Office Action on the above-captioned patent application that I mailed to USPTO on September 26, 2003. A copy of the returned Confirmation Postcard, showing a date of receipt of September 29, 2003 is also attached.

The Response to Office Action included a Response to the Office Action, a Request for Extension of Time, and a Letter to the Official Draftsperson with copies of formal drawings attached.

Respectfully submitted,

E. Eugene Thigpen

Registration Number 27,400

Application No: 09/498,012
Filing Date: February 4, 2000
Inventor: Jarchow, Craig
Attorney Docket: APA-001



- Transmittal Form
- Fee Transmittal Form (in duplicate)
- Amendment/Response to Office Action
- Request for Extension of Time (in duplicate)
- Letter to Official Draftsperson
- 7 sheets of Formal Drawings
- Check

Application No: 09/498,012
Filing Date: February 4, 2000
Inventor: Jarchow, Craig
Attorney Docket: APA-001

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EUGENE THIGPEN
PH. 713-266-2017
10719 DEERWOOD DR.
HOUSTON, TX 77042

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DATE Sept 26, 2003

Commissioner for Patents

\$ 930 ⁶⁰/₁₀₀

PAY TO THE ORDER OF

Three hundred thirty and ⁶⁰/₁₀₀

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MEMO APA-001-ROA

Eugene Thigpen

⑈ 1110006141

942066694 ⑈ 4273

PTO/88/21 (08-03)

Approved for use through 08/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	09489,012	
	Filing Date	February 04, 2000	
	First Named Inventor	Jarchow, Craig M.	
	Art Unit	2123	
	Examiner Name	Day, Henry Der	
Total Number of Pages in This Submission	35	Attorney Docket Number	APA-001

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input checked="" type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): -Postcard -Letter to Official Draftsperson
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	E. Eugene Thigpen, Attorney Registration No: 27,400
Signature	<i>E. Eugene Thigpen</i>
Date	September 28, 2003

CERTIFICATE OF TRANSMISSION/MAILING	
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.	
Typed or printed name	E. Eugene Thigpen
Signature	<i>E. Eugene Thigpen</i>
Date	September 28, 2003

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 36 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (08-08)

Approved for use through 07/31/2008. OMB 0651-0032
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FEE TRANSMITTAL
for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT (\$)** 930.00**Complete if Known**

Application Number	09/498,012
Filing Date	February 04, 2000
First Named Inventor	Jarchow, Craig M.
Examiner Name	Day, Heng Der
Art Unit	2123
Attorney Docket No.	APA-001

METHOD OF PAYMENT (check all that apply)☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☐ Deposit Account:Deposit
Account
Number
Deposit
Account
Name

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments☐ Charge any additional fee(s) during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 750	2001 375	Utility filing fee	
1002 330	2002 165	Design filing fee	
1003 520	2003 260	Plant filing fee	
1004 750	2004 375	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)			(\$) 0

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from	Fee Paid
Independent	-20** =	X	
Multiple Dependent	-3** =	X	

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 84	2201 42	Independent claims in excess of 3
1203 280	2203 140	Multiple dependent claim, if not paid
1204 84	2204 42	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	2053 65	Non-English specification	
1812 2,520	2812 1,260	For filing a request for ex parte reexamination	
1804 820*	2804 410*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	2805 920*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 410	2252 205	Extension for reply within second month	
1253 830	2253 415	Extension for reply within third month	
1254 1,450	2254 725	Extension for reply within fourth month	
1255 1,970	2255 985	Extension for reply within fifth month	
1401 320	2401 160	Notice of Appeal	
1402 320	2402 160	Filing a brief in support of an appeal	
1403 280	2403 140	Request for oral hearing	
1451 1,510	2451 755	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,300	2453 650	Petition to revive - unintentional	
1501 1,300	2501 650	Utility issue fee (or reissue)	
1502 470	2502 235	Design issue fee	
1503 630	2503 315	Plant issue fee	
1460 130	2460 65	Petitions to the Commissioner	
1807 50	2807 25	Processing fee under 37 CFR 1.17(q)	
1808 180	2808 90	Submission of Information Disclosure Stmt	
8021 40	28021 20	Recording each patent assignment per property (times number of properties)	
1809 750	2809 375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 750	2810 375	For each additional invention to be examined (37 CFR 1.129(b))	
1801 750	2801 375	Request for Continued Examination (RCE)	
1802 900	2802 450	Request for expedited examination of a design application	

Other fee (specify):

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

930

SUBMITTED BYName (Print/Type) **E. Eugene Thigpen**Registration No.
(Attorney/Agent)

27,400

(Complete if applicable)

Telephone **713-266-2017**

Signature

E. Eugene Thigpen

Date

09/26/2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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